

## UNIVERSITY OF LA VERNE – SARA & MICHAEL ABRAHAM CAMPUS CENTER

**Building Owner/Client:**  
University of La Verne

**Location:** 1950 Third Street  
La Verne, CA 91750

**GreenGrid® Size:** 700 ft<sup>2</sup>

**Installation Contractor:**  
Valley Crest Landscaping  
Maintenance, Fontana

**Architect:** Gonzalez Goodale  
Architects, Pasadena

**Green Roof Design:**  
Weston Solutions, Inc.,  
GreenGrid® California

**Rooftop System:** Extensive

**Status:** Installation August  
2009



### Project Summary

University of La Verne's new Sara & Michael Abraham Campus Center was designed by Pasadena-based Gonzalez Goodale Architects and constructed by K.A.R. Construction of Ontario. The 40,000-square-foot Campus Center is the first building in the City of La Verne to earn LEED® Silver rating by the United States Green Building Council. University of La Verne selected WESTON's GreenGrid® modular green roof system as part of the sustainable design. The vegetated roof is visible from the open-air veranda and hallway of the Ludwick Conference Center, both located on the top floor of the building.

The extensive (4-inch) GreenGrid® system was installed on the newly designed facility at the main campus by Valley Crest Landscaping Maintenance. The 700 sf roof includes 87 of the pre-grown 2-foot by 4-foot modules, planted with drought-tolerant Sedum varieties (*S. Angelina*, *S. Reflexum*, *S. Fosterianum*) provided by Altman Specialty Plants. WESTON integrated a uniquely designed drip irrigation system with rain sensor that provides plant irrigation with 90-percent water-efficiency during the summer months. The GreenGrid® installation is the first green roof at the University of La Verne and in the City of La Verne.

The GreenGrid® green roof reduces "urban heat island effect," energy consumption and improves air quality. The green roof can reduce average daily energy demand for cooling up to 50%, compared to a typical flat roof, due to its great insulating properties; this can also double the life span of the roof and reduce the size of air conditioning equipment. Additionally, stormwater runoff can be reduced by up to 70%, based on a 1-inch rain event, lowering the impact of a building on the municipal storm drainage system and the surrounding watershed. The modules are made from 100% post-industrial recycled plastic (HDPE). GreenGrid® can contribute with 7 LEED® points when designed properly and installed on 50% of the roof space. All in all, the GreenGrid® green roof system pays for itself in a relatively short time.